

INTERNATIONAL SEARCH REPORT

International Application No

PCT/FR 03/03424

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C03C27/06 C03C8/14 C04B37/04 H01J9/26

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C03C C04B H01J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE 201 17 475 U (POESL RUDOLF) 18 April 2002 (2002-04-18) page 1, last paragraph ---	1-4,6,7
A	US 2002/035852 A1 (LONGOBARDO ANTHONY V ET AL) 28 March 2002 (2002-03-28) page 4, paragraph 60 ---	1-17
A	US 6 212 852 B1 (TSAI CHUN-HUI) 10 April 2001 (2001-04-10) claims 1,7,13 ---	1-17
A	WO 01 23700 A (GUARDIAN INDUSTRIES) 5 April 2001 (2001-04-05) page 21, line 21 -page 22, line 7 ---	1-17
		-/-

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

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Date of the actual completion of the International search

26 March 2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 561 343 A (LOWE ANTHONY) 1 October 1996 (1996-10-01) cited in the application claims 1-3 ----	1-17
A	EP 0 360 307 A (TUNGSRAM RESZVENYTARSASAG) 28 March 1990 (1990-03-28) the whole document ----	1
A	EP 0 812 810 A (CORNING INC) 17 December 1997 (1997-12-17) claims -----	1

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/FR 03/03424

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
DE 20117475	U	18-04-2002	DE	20117475 U1	18-04-2002
US 2002035852	A1	28-03-2002	US	6558494 B1	06-05-2003
			US	6478911 B1	12-11-2002
			AU	9124701 A	08-04-2002
			WO	0227135 A1	04-04-2002
			US	2002197423 A1	26-12-2002
US 6212852	B1	10-04-2001	NONE		
WO 0123700	A	05-04-2001	US	6336984 B1	08-01-2002
			AU	4024301 A	30-04-2001
			DK	200200378 A	08-05-2002
			JP	2003510238 T	18-03-2003
			WO	0123700 A1	05-04-2001
			US	6291036 B1	18-09-2001
			US	6558494 B1	06-05-2003
			US	6641689 B1	04-11-2003
US 5561343	A	01-10-1996	GB	2276270 A	21-09-1994
			EP	0616354 A2	21-09-1994
			JP	2886436 B2	26-04-1999
			JP	7005821 A	10-01-1995
			KR	139601 B1	01-06-1998
EP 0360307	A	28-03-1990	HU	53242 A2	28-09-1990
			DE	68901904 D1	30-07-1992
			DE	68901904 T2	17-12-1992
			EP	0360307 A1	28-03-1990
			JP	2192432 A	30-07-1990
			US	5006489 A	09-04-1991
EP 0812810	A	17-12-1997	US	5721802 A	24-02-1998
			AU	715433 B2	03-02-2000
			AU	2466797 A	18-12-1997
			BR	9703542 A	08-09-1998
			CA	2204480 A1	13-12-1997
			CN	1196491 A	21-10-1998
			DE	69701593 D1	11-05-2000
			DE	69701593 T2	27-07-2000
			DK	812810 T3	17-07-2000
			EP	0812810 A2	17-12-1997
			ES	2144292 T3	01-06-2000
			JP	10073740 A	17-03-1998
			US	6122430 A	19-09-2000
			US	5926599 A	20-07-1999